MODEL B2535H/1

OPERATING INSTRUCTIONS
AND PARTS MANUAL

Read instructions carefully before attempting to assemble, install, operate or service this pressure washer. Failure to comply with instructions could result in personal injury and/or property damage!

SPECIFICATIONS

- Pump Volume At Pump Head: 3.5 GPM/210 GPH
- Pump Pressure At Pump Head: 2500 PSI
- Machine Power: 9.0 HP Gasoline Engine, Manual Start
- Machine Weight: 145 Lbs.
- Shipping Weight: 185 Lbs.
- Machine Dimensions: Length = 34", Width = 24.5", Height = 23.5"

Output specifications are based on engine power curves at 100 meters above sea level and 25° C ambient temperature in accordance with SAE J1349.

SERIAL NUMBER:	**SHARK PRESSURE WASHERS** **21 INVERNESS WAY EAST** **ENGLEWOOD, CO 80112** **1-800-771-1881**
DATE PURCHASED:	
FOR SALES AND SERVICE, PLEASE CONTACT:	

WARNING

Read and observe to prevent severe personal injury or property damage.

- Check hoses, fittings, wand, and trigger gun daily for signs of wear, cracks and looseness, and replace as required.
- Do not point wand or trigger gun at yourself or at any person. Bodily injury may result from water under high pressure.
- Do not block or tie trigger gun in open position.
- Wear eye, ear, hand, foot, and skin protection at all times while operating pressure washer.
- Do not allow machine to run unattended.
- Avoid contact with non-insulated areas of pressure washer to prevent the possibility of severe burns.
- Do not run machine indoors or in an enclosed area, as exhaust fumes may be hazardous to your health.
- Do not operate machine in areas where flammable vapors (gasoline, solvents, etc.) may be present, as this machine may ignite the vapors.
- Do not store flammable liquids (gasoline, diesel fuel, solvents, etc.) near pressure washer or in non-ventilated areas.
- Do not fill engine fuel tank while engine is running or hot. Let engine cool before refueling or spontaneous fire may result. Fuel spillage or vapors could ignite if engine is hot.
- Do not place hands or feet on non-insulated areas of the pressure washer when starting gasoline engine.
- Use extreme caution when moving pressure washer over rough or uneven surfaces.
- For permanent installation consult local building codes for installation requirements. Licensed contractor may be required.
- Disconnect spark plugs prior to performing any maintenance.
- Pressure washers produce a kickback. To prevent personal injuries due to falls use auxiliary safety equipment.
- When applying detergents follow the safety rules on the detergent label.
- Use detergent from a covered D.O.T. approved container.
- Cleaning area should be provided with adequate slopes and drainage. This will reduce the possibility of a fall due to slippery surface.
- Unauthorized machine modification or use of non-approved replacement parts may cause personal injury and/or property damage and will void the manufacturer warranty.
- This machine has been provided with Warning and Instruction decals for the safety of the operator. If these decals are removed or become damaged they should be replaced. Contact your dealer for replacement decals.

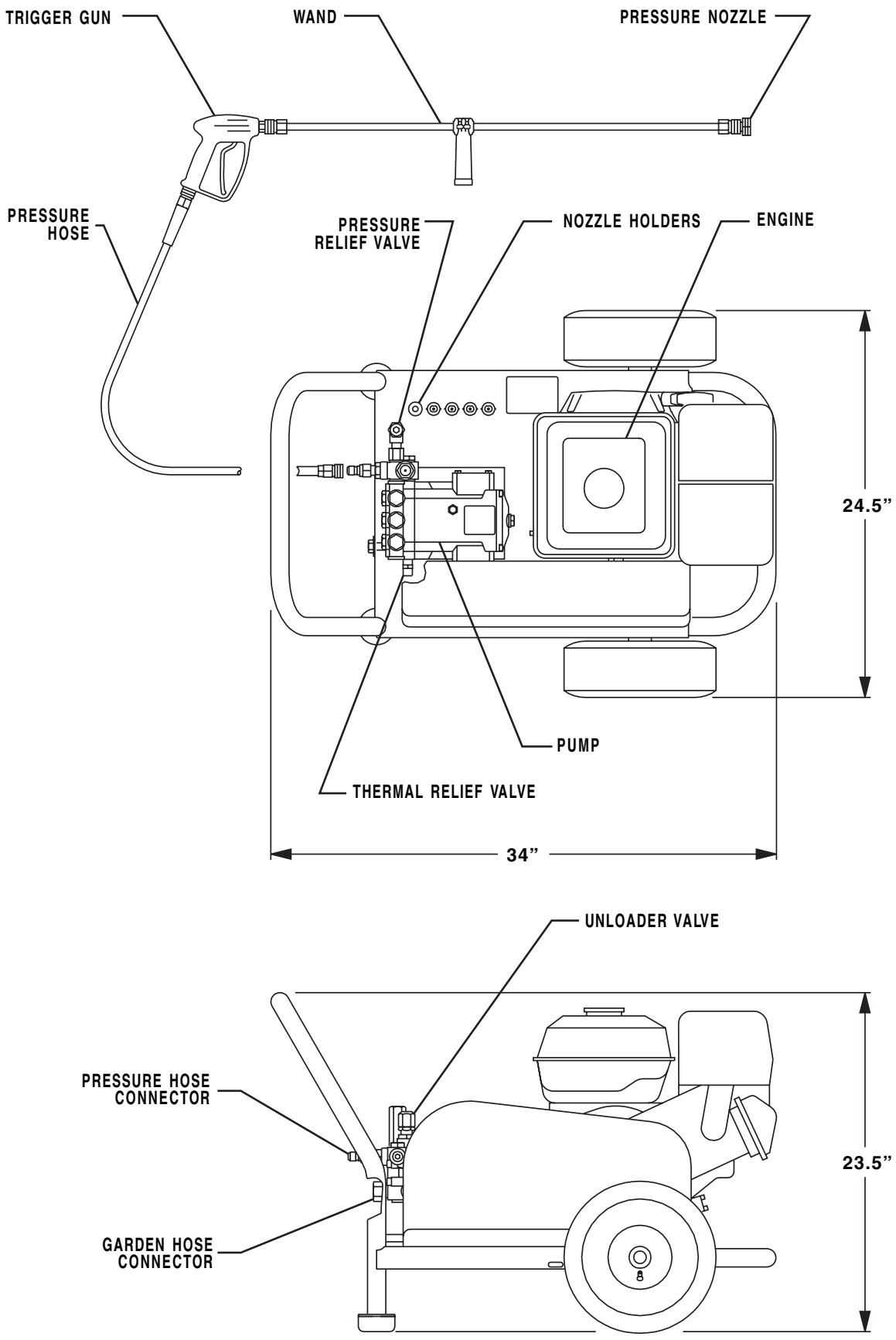

Figure 1 - Machine Component Layout

ASSEMBLY

Unpacking

Unpack carefully. Wear safety glasses or goggles while unpacking, assembling, or operating pressure washer. If there are missing components or hidden damage, immediately contact carrier concerning discrepancies.

Parts Included

- Pressure Washer
- Pressure Hose
- Pressure Nozzle (4 Ea.)
- Wand
- Trigger Gun
- Operating Instructions and Parts Manual
- Gasoline Engine Manual

Pressure Hose, Trigger Gun and Wand

1. Install the pressure hose on the pressure washer as shown in **Figure 2.**

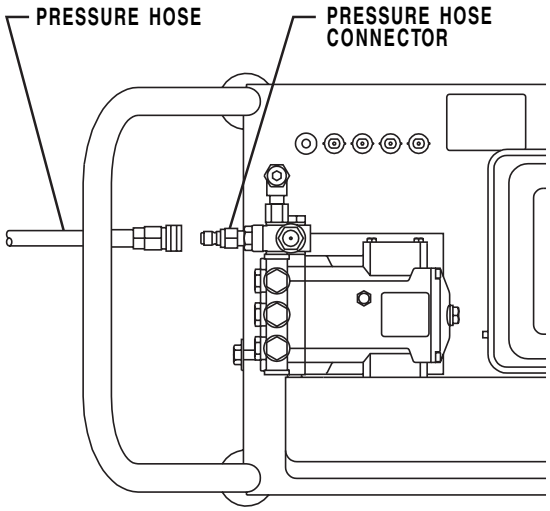

Figure 2 - Pressure Hose Installation

2. Assemble wand components as shown in **Figure 3.**

NOTE: The pressure nozzle is not to be installed at this time.

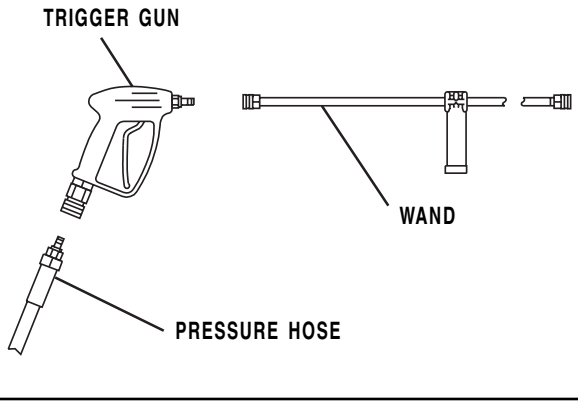

Figure 3 - Trigger Gun/Dual Lance Wand

3. Make sure all connections are secure.

INSTALLATION

Getting Started

IMPORTANT: Proper initial installation of equipment will assure more satisfactory performance, longer service life, and lower maintenance cost.

IMPORTANT: The use of a backflow preventer on the water supply hose is recommended and may be required by local code.

The pressure washer should be run on a level surface and in a protected area where it is not readily influenced by outside forces such as strong winds, freezing temperatures, rain, etc. The pressure washer should be located to assure easy access for filling of fluids, adjustments and maintenance. Normal precautions should be taken by the operator to prevent moisture from reaching the pressure washer. It is recommended that a partition be made between the wash area and the pressure washer to prevent direct spray from the wand from coming in contact with the pressure washer. Moisture reaching the equipment will reduce the pressure washer's service life. All installations should comply with the local codes covering such installations.

Venting

DANGER: Do not run machine indoors or in an enclosed area, as exhaust fumes may be hazardous to your health.

DANGER: Do not operate machine in areas where flammable vapors (gasoline, solvents, etc.) may be present, as this machine may ignite the vapors.

CAUTION: All venting must be in accordance with applicable federal and state laws, and local ordinances. Consult local contractors.

If the pressure washer is to be used in an enclosed area, a flue must be installed to vent engine exhaust to the outside atmosphere. When selecting the location for operation, beware of poorly ventilated locations or areas where exhaust fans may cause an insufficient supply of oxygen. Proper combustion can only be obtained when there is a sufficient supply of oxygen available for the amount of fuel being burned. If it is necessary to use the machine in a poorly ventilated area, outside fresh air may have to be piped to the engine and a fan installed to bring sufficient air into the machine.

In addition, the pressure washer should never be operated in an enclosed area where high ambient temperatures exist. High ambient temperatures (above 100^{o} F) can cause engine oil failure and will greatly reduce the engine's performance.

Gasoline Engine

This gasoline engine is preset for operation at altitudes below 3000 feet above sea level. If operated at higher altitudes, it may be necessary to install a high altitude main jet in the carburetor. Contact an authorized engine sales and service center for details.

OPERATION

Before Starting

1. Read all manuals provided with this pressure washer. Become familiar with location and function of all operating and safety controls.

WARNING: Check hoses, fittings, wand, and trigger gun daily for signs of wear, cracks and looseness, and replace as required.

2. Connect water supply hose to the garden hose connector located on the pump. The water faucet and supply hose must be capable of providing a minimum of 3.5 gallons per minute (GPM).

WARNING: Do not fill engine fuel tank while engine is running or hot. Let engine cool before refueling or spontaneous fire may result. Fuel spillage or vapors could ignite if engine is hot.

3. Fill the engine fuel tank. Do not overfill, fill to the bottom of filler neck only. Use lead free gasoline minimum 86 octane. **DO NOT** use gasoline containing more than 5% methanol, 10% ethanol, or 15% MTBE. Refer to the provided **gasoline engine manual** for additional details.
4. Check pump and engine oil levels.

IMPORTANT: Before installing nozzle on initial start-up, turn on the water supply and allow water to run from the end of the wand until clear to prevent the nozzle from clogging.

IMPORTANT: If the pressure washer has not been used for an extended period of time, remove the nozzle from the end of the wand and turn on water supply. Allow water to run from the end of the wand until clear.

5. Install the proper pressure nozzle for your cleaning needs on end of wand, refer to **Figure 4.**

IMPORTANT: The trigger gun provided with this pressure washer is equipped with a manual trigger lock to prevent accidental operation of the trigger gun, refer to Figure 4. The trigger lock should be used whenever the trigger gun is not in use.

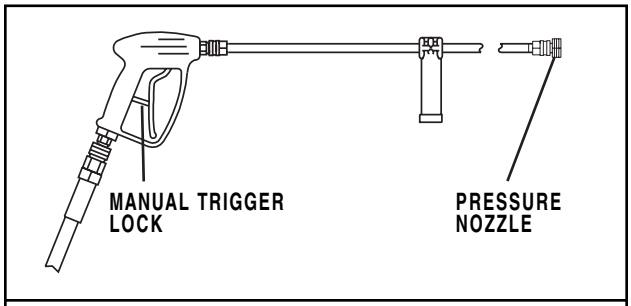

Figure 4 - Nozzle Installation/Manual Trigger Lock

To Start

DANGER: Do not point wand or trigger gun at yourself or at any person. Bodily injury may result from water under high pressure.

WARNING: Wear eye, ear, hand, foot and skin protection at all times while operating pressure washer.

IMPORTANT: The water must be turned on before starting. Running the pump dry will cause damage and void warranty.

IMPORTANT: Do not allow the machine to run with trigger of the trigger gun released for more than 10 minutes at any one time or damage to pump may occur.

1. Turn ON water supply.
2. Hold wand firmly, release trigger of trigger gun.
3. Place engine ON/OFF switch in the ON position.
4. Turn fuel shut-off valve to ON position (if so equipped). Move choke lever to full choke position, (choke may not be needed on warm engine). Move throttle lever to half throttle position.

5. Pull the rope starter slowly until resistance is felt, then pull briskly. Do not allow the rope starter to snap back against the engine. Return it gently to prevent damage to the starter.
6. When the engine starts, move choke lever until engine runs smoothly. Move throttle lever to full throttle position. When engine warms, move choke lever to no choke position.

NOTE: If engine fails to start, refer to Troubleshooting Guide in this manual.

7. Squeeze trigger of trigger gun and allow air to purge from system.

To Clean

DANGER: Do not place hands or fingers in front of high pressure spray. Bodily injury may result.

1. Wash from the bottom to the top, using side to side motions.
2. Do not wash at a 90° angle to work (straight at it). This will allow water to splash back at you and reduces your cleaning power. Wash at a 30° to 60° angle to the work. This will allow the water to splash away from you and the water will wash the dirt away faster and easier.
3. Use the full width of the spray pattern to wash in a wide path. Overlap spray paths for complete coverage. Wash from side to side, using slow, steady motions.
4. The nozzle should be 12" to 24" from work, closer for tough areas. Be careful on painted or delicate surfaces, the pressure may damage surface if nozzle is too close.
5. Small parts should be washed in a basket so the pressure does not push them away. Larger, lightweight parts should be clamped down so the pressure does not push them away.

To Stop

1. Move throttle lever to idle position.
2. Turn engine ON/OFF switch to the OFF position.
3. Turn fuel shut-off valve to OFF position (if so equipped).
4. Turn water supply OFF.
5. Squeeze trigger of trigger gun to relieve system pressure.

STORAGE

DANGER: Do not store flammable liquids (gasoline, diesel fuel, solvents, etc.) near pressure washer, or in non-ventilated areas.

1. Protect from freezing by storing in a heated area, or by flushing the system with antifreeze (use an automotive engine antifreeze or windshield washer solvent to antifreeze). To flush the system with antifreeze, attach a short length of hose to the garden hose connector located on the pump. Place the other end of the hose into a container of antifreeze. Start machine and allow to run until antifreeze flows from the end of the wand. Squeeze and release the trigger of the trigger gun several times to antifreeze the unloader system. If the pressure washer is not to be used for an extended length of time, it is recommended that the system be flushed with antifreeze for rust protection. Refer to provided **gasoline engine manual** for engine storage information.

MAINTENANCE

WARNING: Unauthorized machine modification or use of non-approved replacement parts may cause personal injury and/or property damage and will void the manufacturer warranty.

Pump

Lubrication: To lubricate pump, use 30W non-detergent oil for pump crankcase. Crankcase must be filled to the full mark on the dipstick or to the center of sight glass window found on the rear or side of the pump, refer to **Figure 5.** During the break-in period, make sure the oil is changed after the first 25 hours of operation. After that, replace oil every 3 months or 300 hours of operation, whichever comes first.

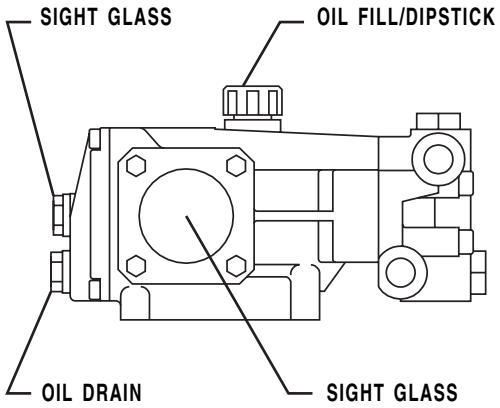

Figure 5 - Pump Lubrication

Proper Pump Care:

- Do not pump acids.
- Do not allow pump to run dry.
- Winterize if storing in freezing temperatures, refer to **Storage** for details.
- Use a water softener on the water system if known to be high in mineral content.
- Flush the pressure washer system with antifreeze if storing for an extended period of time, refer to **Storage** for details.

Gasoline Engine

Refer to the provided **gasoline engine manual** for recommended maintenance.

Pressure Relief Valve

WARNING: The pressure relief valve on this pressure washer has been factory set and sealed and is a field nonadjustable part. Tampering with the factory setting may cause personal injury and/or property damage, and will void the manufacturer warranty. For replacement refer to Figure 7.

Unloader Valve

WARNING: The unloader valve on this pressure washer has been factory set and sealed and is a field nonadjustable part. Tampering with the factory setting may cause personal injury and/or property damage, and will void the manufacturer warranty. For replacement refer to Figure 7.

TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
Gas engine will not run.	Out of gas.	Replenish supply. Use only recommended fuels. Refer to **Before Starting** under **Operation**.
	Fuel valve closed (if so equipped).	Open valve.
	Loose spark plug wire.	Reconnect.
	Choke or throttle set incorrectly.	Refer to **To Start** under **Operation**.
	Engine ON/OFF switch in OFF position.	Place engine ON/OFF switch in ON position.
	Low engine oil level.	Replenish supply. Engine will not start or run if oil is low (on engines equipped with low oil protection).
	Refer to provided gasoline engine manual for additional troubleshooting.	
Pressure washer runs but won't spray.	Trigger of trigger gun released.	Squeeze trigger.
	Water supply not turned on.	Open water supply valve.
	Clogged pressure nozzle.	Clean pressure nozzle opening.
Low spray pressure at pressure nozzle.	Inadequate water supply.	Fully open faucet. Check for kinked or damaged hose. Use 5/8 inch minimum hose. Check for debris clogging inlet screen.
	Partially clogged or damaged pressure nozzle.	Clean or replace.
	Engine throttle not in full throttle position.	Place engine throttle in full throttle position.
Uneven spray pattern.	Partially clogged or damaged pressure nozzle.	Clean or replace.

IMPORTANT

If the pressure washer demonstrates other symptoms or the corrective actions listed do not correct the problem, contact the local authorized Shark Pressure Washer Service Center. The Shark Pressure Washer Service Center can be identified by contacting:

Customer Service Department
Shark Pressure Washers
21 Inverness Way East • Englewood, Colorado 80112
1-800-771-1881

When ordering from your dealer, please provide the following:

Model Number: B2535H/1

Machine Serial Number: _____

Component Part Number: _____

Description: _____

FOR HELP OR ADDITIONAL INFORMATION, CONTACT:

Customer Service Department
Shark Pressure Washers
21 Inverness Way East
Englewood, CO 80112
1-800-771-1881

B2535H/1 OPTIONAL EQUIPMENT

280268 Detergent Injector Kit

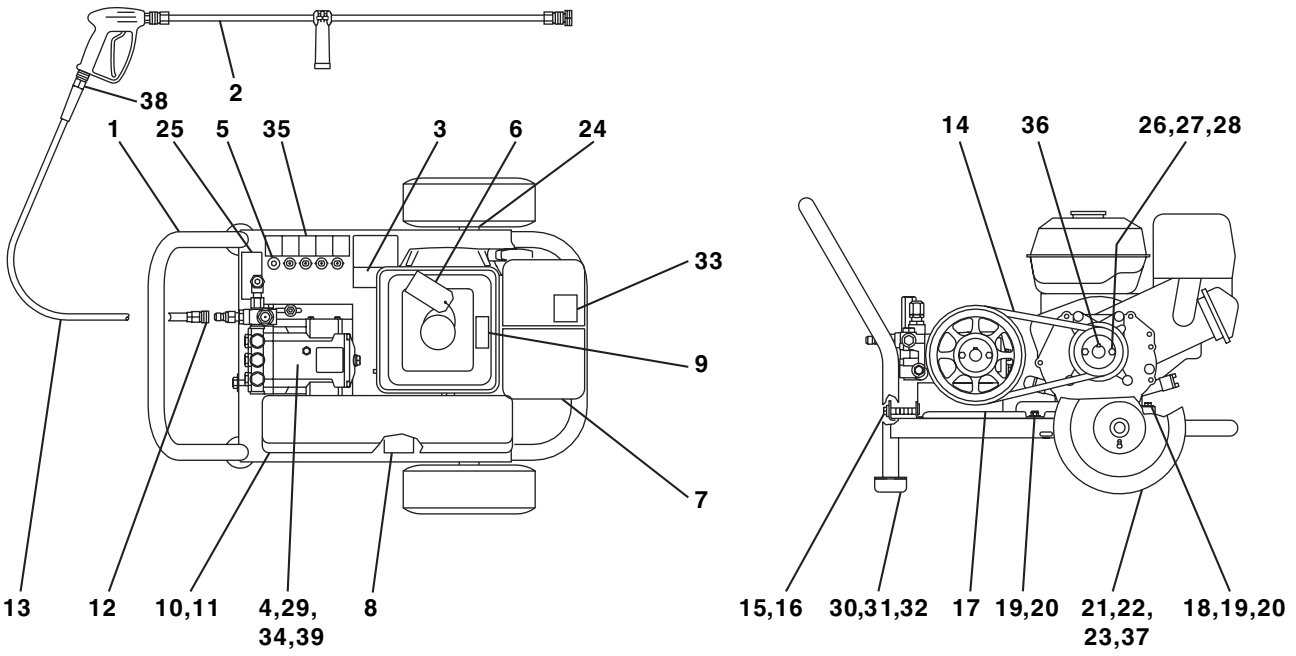

Figure 6 - Machine Assembly

Ref. No.		Part No.	Description	Qty.
1		375441	Chassis	1
2		**Fig. 9**	Trigger Gun/Wand Assembly	1
3		444469	Decal Shark Detergent	1
4		**Fig. 7**	Pump Assembly	1
5		859815	Grommet (Nozzle Holders)	5
6		890783	Engine Warning Tag	1
7		661261	Engine	1
8		834180	Decal Beltguard	1
9		444462	Decal Caution Gasoline	1
10		258458	Beltguard	1
11		■	Flange Bolt 1/4" - 20 x 3/4"	3
12		826176	Quick Disconnect	1
13		707226	Pressure Hose	1
14		615494	Belt	2
15		■	Bolt 1/2" - 13 x 3-1/2"	1
16		■	Flat Washer 1/2"	1
17		375331	Belt Tensioning Bracket	1
18	●	■	Bolt 5/16" - 18 x 1-3/4"	4
19		■	Flat Washer 5/16"	12
20		■	Locknut 5/16" - 18	8
21		983016	Wheel	2

Ref. No.		Part No.	Description	Qty.
22		817322	Hubcap	2
23		848616	Push Nut 5/8"	2
24		■	Flat Washer 5/8"	4
25		834154	Decal Winterize	1
26		919537	Engine Pulley	1
27		815135	Engine Pulley Bushing	1
28		877283	Engine Shaft Key	1
29	●	■	Bolt 8 mm x 16 mm	4
30		615527	Bumper	2
31		■	Flat Washer 3/8"	2
32		■	Bolt 3/8" - 16 x 1"	2
33		646026	Decal Carbon Monoxide	1
34		■	Lock Washer 5/16"	4
35		646103	Decal Nozzle	1
36		630606	Clip	1
37		345063	Axle	1
38		915774	Quick Disconnect Plug	1
39		780451	Pump Mounting Washer	4

■ Standard hardware item available locally.

● Use thread locking compound.

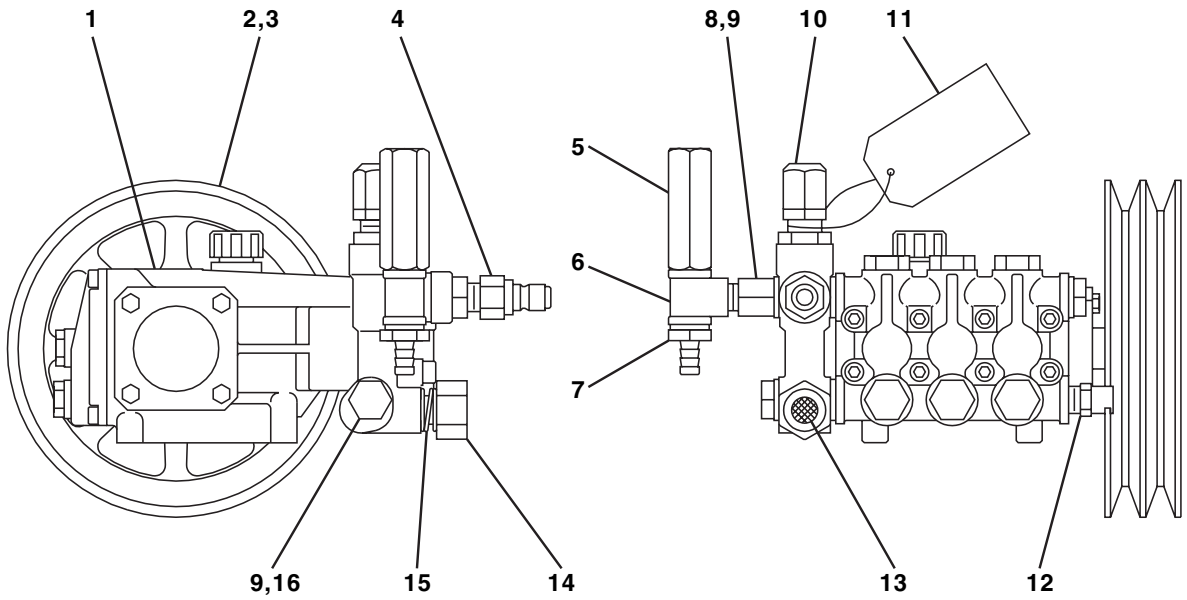

Figure 7 - Pump Assembly

Ref. No.		Part No.	Description	Qty.
1		HC340R	Pump **Fig. 8**	1
2		815202	Pump Pulley Bushing	1
3		875446	Pump Pulley	1
4		915774	Quick Disconnect Plug	1
5		640125	Relief Valve Cartridge	1
6		784200	Relief Valve Manifold	1
7		875640	Relief Valve Seat	1
8		615541	Bolt Unloader Valve	1
9		936633	Flat Washer w/Seal	4
10	✪	921509	Unloader Valve	1
11		890769	Unloader Warning Tag	1

Ref. No.	Part No.	Description	Qty.
12	921421	Thermal Relief Valve	1
13	856035	Garden Hose Connector Gasket	1
14	801126	Garden Hose Connector	1
15	875575	Garden Hose Connector Spring	1
16	651485	Bolt Unloader Valve	1

Replacement Parts

✪	753025	O-Ring Repair Kit	1
✪	753026	Discharge Repair Kit	1
✪	753027	Stem Repair Kit	1

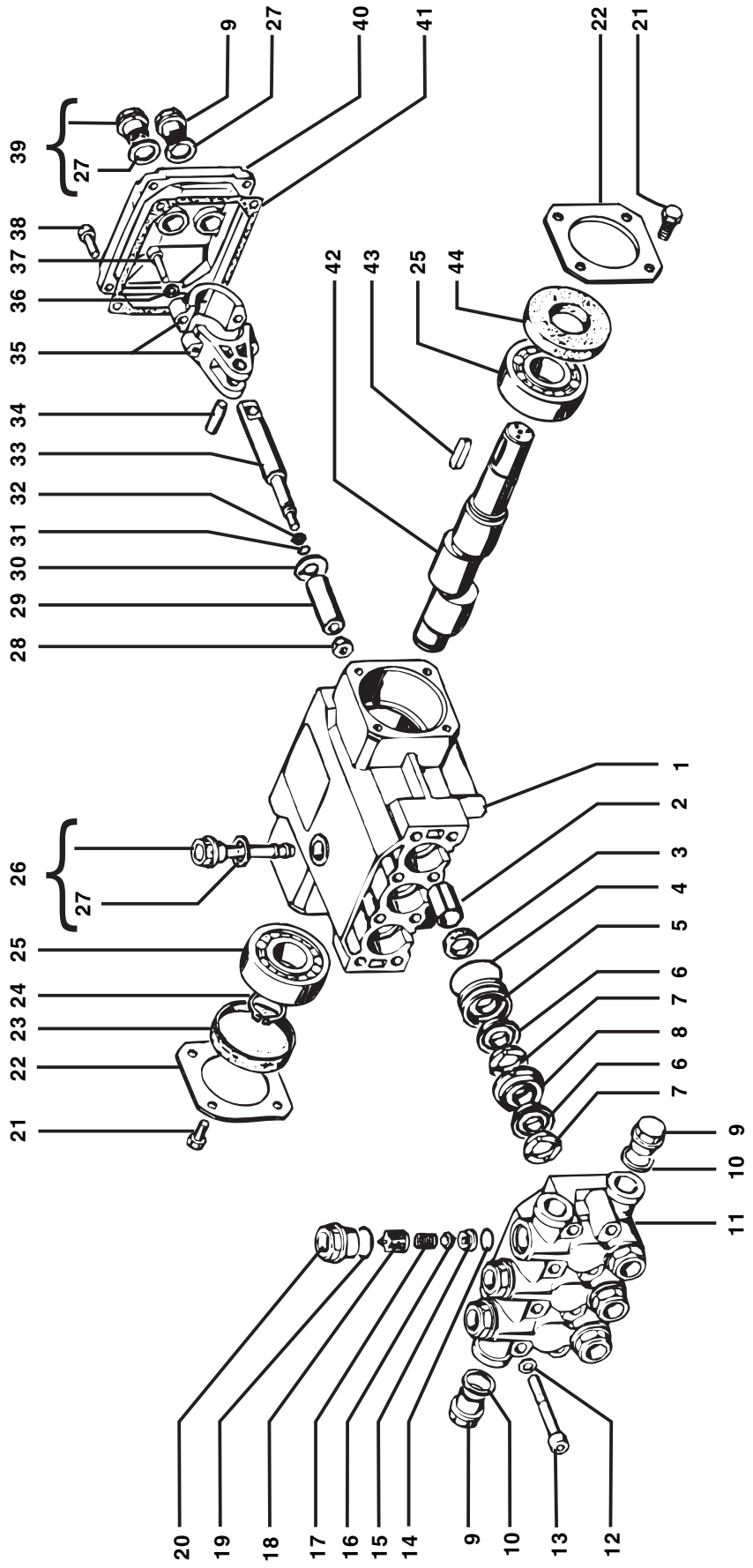

Figure 8 - Pump, Exploded View

Ref. No.		Part No.	Description	Qty.
1		630683	Crankcase	1
2		860361	Plunger Guide	3
3	▼	❖	Plunger Seal	3
4	▼	◆	Pressure Ring O-Ring	3
5	▼		Pressure Ring 18 mm	3
6	▼	◆	V-Sleeve 18 mm	6
7	▼	◆	Support Ring 18 mm	6
8	▼		Intermediate Ring 18 mm	3
9		915630	Plug 3/8"	3
10		780565	Copper Washer 3/8"	2
11		783854	Manifold Housing	1
12		780560	Washer	8
13		875571	Manifold Stud Bolt	1
14	★		Valve Seat O-Ring	6
15	★		Valve Seat	6
16	★		Valve Plate	6
17	★		Valve Spring	6
18	★		Valve Cage	6
19		926657	Manifold Plug O-Ring	6
20		823335	Manifold Plug	6
21		875572	Hex Screw	8
22		615488	Bearing Cover	2
23		615489	Bearing Protector w/o Sight Glass	1
		878575	Sight Glass	1
		818575	O-Ring for Sight Glass	1
24		860141	Crankshaft Snap Ring	1
25		808895	Ball Bearing	2

Ref. No.		Part No.	Description	Qty.
26		814210	Oil Dipstick	1
27		855893	Gasket 3/8"	3
28	✤		Plunger Nut	3
29	✤		Ceramic Sleeve 18 mm	3
30	✤		Copper Spacer	3
31	✤		Plunger Rod O-Ring	3
32	✤		Teflon Ring	3
33		829669	Plunger Rod	3
34		860142	Connecting Rod Pin	3
35		630688	Connecting Rod Assembly	3
36		780564	Spring Washer	6
37		878197	Allen Screw	6
38		735313	Crankcase Cover Allen Screw	4
39		858431	Sight Glass 3/8"	1
40		827324	Crankcase Cover	1
41		855889	Crankcase Cover Gasket	1
42		632000	Crankshaft	1
43		877249	Pump Shaft Key	1
44		632020	Crankshaft Seal	1

Replacement Parts			Qty/Pump
▼	753106	Complete Seal Packing Kit 18 mm	3
◆	877672	Seal Packing Kit 18 mm	1
★	753039	Complete Valve Assembly Kit	6
✤	753107	Ceramic Sleeve Kit 18 mm	3
❖	877655	Plunger Seal Kit	1

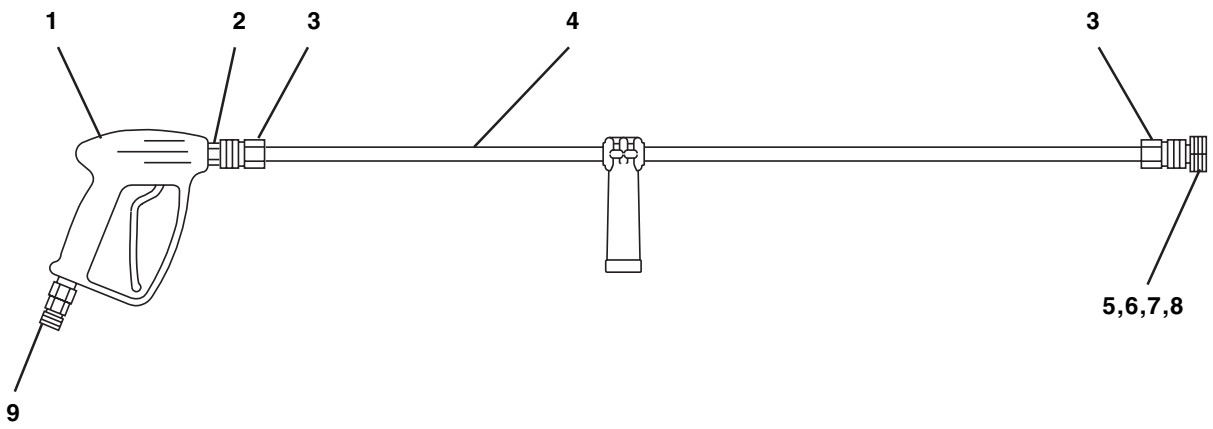

Figure 9 - Trigger Gun/Wand Assembly

Ref. No.	Part No.	Description	Qty.
1	860447	Trigger Gun **Fig. 10**	1
2	915786	Quick Disconnect Plug	1
3	826169	Quick Disconnect	2
4	936701	Wand	1
5	799000	Pressure Nozzle (Red)	1

Ref. No.	Part No.	Description	Qty.
6	799012	Pressure Nozzle (Yellow)	1
7	799024	Pressure Nozzle (White)	1
8	799144	Pressure Nozzle (Green	1
9	826177	Quick Disconnect	1

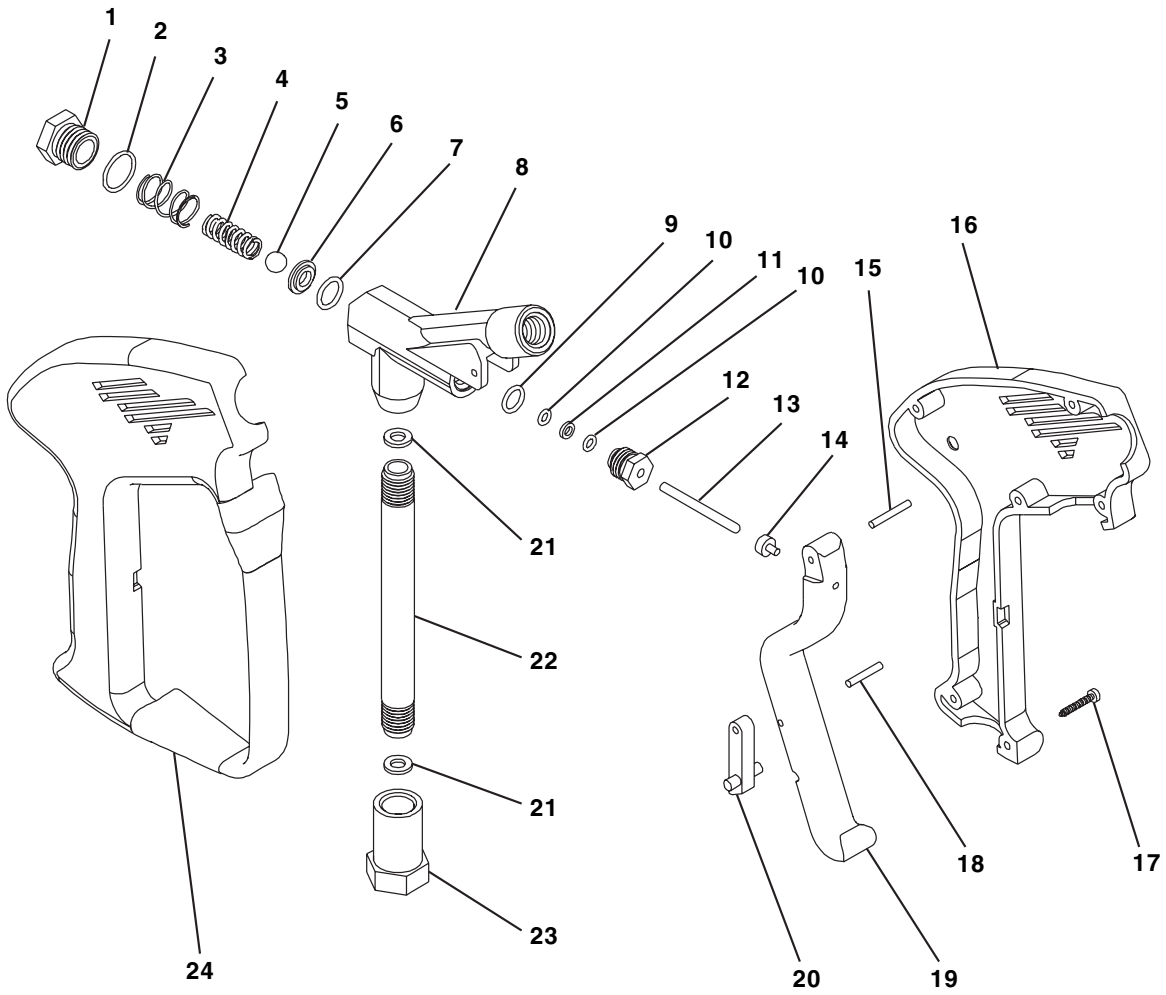

Figure 10 - Trigger Gun, Exploded View

Ref. No.		Part No.	Description	Qty.
1		817320	Valve Cap	1
2	✪		Valve Cap O-Ring	1
3	✪		Valve Seat Spring	1
4	✪		Valve Spring	1
5	✪		Ball	1
6	✪		Valve Seat	1
7	✪		Valve Seat O-Ring	1
8		812801	Valve Body	1
9	✪		Plunger Guide Seat O-Ring	1
10	✪		Plunger Guide Backring	2
11	✪		Plunger Guide O-Ring	1
12	✪		Plunger Guide	1
13	✪		Plunger Rod	1
14	✪		Plunger Seat	1

Ref. No.	Part No.	Description	Qty.
15	914141	Trigger Pin	1
16	860495	Left Gun Shell	1
17	735316	Phillips Screw	6
18	914142	Trigger Lock Pin	1
19	960271	Trigger	1
20	881941	Trigger Lock Lever	1
21	936460	Inlet Pipe Seat	2
22	914285	Inlet Pipe	1
23	851190	Inlet Fitting	1
24	860496	Right Gun Shell	1

Replacement Parts

✪	877471	Trigger Gun Repair Kit

Shark® WARRANTY

SHARK ONE-YEAR LIMITED WARRANTY:

*Shark products are warranted by Shark Pressure Washers (Shark), to be free of defects in material and workmanship under normal use, for a period of **ONE YEAR** from the date of the original purchase. Items that fail due to normal wear such as pump seals, pump valves, unloader valves, detergent valves, water nozzles, quick couplings, hoses, gunjets, o-rings, etc. are not covered under this warranty. Damage resulting from neglect, abuse, tampering, modification or misuse is not covered under this warranty. Shark will at its option repair or replace any part covered by this warranty which is defective under normal use for one year at no charge for parts or labor. All defects must be verified by an authorized Shark Pressure Washers service location.*

EXCEPTIONS TO THE ONE YEAR WARRANTY FOR PARTS ONLY ARE:

Hawk Pumps:	***SEVEN YEAR** Warranty (**LIFETIME** Brass Manifold Warranty-Even Against Freezing)*
Heating Coils:	***FOUR YEAR** Warranty*
Chassis Assembly and Pulleys:	***THREE YEAR** Warranty*
Plumbing and Belts:	***TWO YEAR** Warranty (This additional warranty will be in effect as applicable.)*

LIMITATION OF LIABILITY:

To the extent allowable under applicable law, Shark liability for consequential and incidental damages is expressly disclaimed. Shark liability in all events is limited to, and shall not exceed, the purchase price paid for the equipment. Shark liability excludes field labor charges, loss of use of the unit, loss of time or rental, inconvenience, or commercial loss and is limited to repair or replacement of defective parts only, at the option of Shark Pressure Washers.

WARRANTY DISCLAIMER:

Shark has made a diligent effort to illustrate and describe the product in this literature accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the product is merchantable, or fits a particular purpose, or that the product will necessarily conform to the illustrations or descriptions.

PRODUCT SUITABILITY:

Many states and localities have codes and regulations governing sales, construction, installation, and/or use of products for certain purposes, which may vary from those in neighboring areas. While attempts to assure that its products comply with such codes, it cannot guarantee compliance, and cannot be responsible for how the product is installed or used. Before purchase and use of a product, please review the product application, and national and local codes and regulations, and be sure that the product, installation, and use will comply with them.

PROMPT DISPOSITION:

Shark will make a good faith effort for prompt correction or other adjustments with respect to any product which proves to be defective within limited warranty. For any product believed to be defective within limited warranty, contact Shark Pressure Washers at 1-800-771-1881.

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